IN THE CLAIMS:

Set forth below in ascending order, with status identifiers, is a complete listing of all claims currently under examination. Changes to any amended claims are indicated by strikethrough and underlining. This listing also reflects any cancellation and/or addition of claims.

Claim 1 (currently amended)

A multiple laser treatment apparatus, comprising:

- (a) n lasers, wherein said-n > 1 and each of said n lasers simultaneously delivers a laser treatment beam selected for a treatment, and wherein each one of said laser treatment beams havecomprises at least one different laser beam parameters parameter; and
- (b) <u>a mirror-based optical delivery devicemeans</u> to deliver said laser treatment beams in a combined treatment beam, wherein said combined treatment beam has a spot size that is less than 0.1 mm, and wherein said combined treatment beam is delivered at a substance that which said substance undergoes said treatment.

Claim 2 (currently amended)

The apparatus as set forth in claim 1, wherein said laser <u>treatment beams have at least one</u> <u>ofbeam parameters are different</u> wavelengths, <u>different fluences</u>, <u>different power levels</u>, <u>different power levels</u>, <u>different spot sizes</u>, <u>different linear delivery parameters</u> <u>ander different three-dimensional delivery parameters</u>.

Claim 3 (currently amended)

The apparatus as set forth in claim 12, wherein said laser treatment beams have different wavelengths wavelength is selected from a spectrum of wavelengths ranging from ultraviolet to far infrared.

Claims 4-5 (cancelled)

Claim 6 (currently amended)

The apparatus as set forth in claim 1, further comprising <u>anat least one</u> optical component to select <u>aone or more</u> laser beam <u>parameter</u> of one or <u>more</u> of said laser treatment beams.

Claim 7 (currently amended)

The apparatus as set forth in claim 6, wherein said optical component is <u>one of</u> a beam profiler, a collimator, a spherical element, an a-spherical element and a parabolic element.

Claim 8 (currently amended)

The apparatus as set forth in claim 1, further comprising means for controlling to control each one of said n lasers.

Claim 9 (currently amended)

The apparatus as set forth in claim 8, wherein said means for controlling to control comprises a single control panel.

Claim 10 (currently amended)

The apparatus as set forth in claim 1, further comprising means <u>for adjusting ato-control</u> one or more laser beam parameterparameters of at least one of said laser treatment beams.

Claim 11 (currently amended)

The apparatus as set forth in claim 1, wherein one or more of said n lasers comprise at least one of a gas laser, a liquid laser, a solid state laser, a semiconductor diode laser, a tunable laser and a flashlampflashlight laser.

Claim 12 (currently amended)

The apparatus as set forth in claim 1, further comprising <u>anat least one</u> optical path to transmit said laser treatment beams, wherein said optical path is <u>one of</u> an optical fiber, an articulated arm <u>andor</u> a waveguide.

Claims 13-15 (cancelled)

Claim 16 (currently amended)

The apparatus as set forth in claim 113, wherein said optical delivery device comprises

linear delivery means for scanning said combined treatment beam in a linear scanning pattern.

Claim 17 (currently amended)

The apparatus as set forth in claim $\underline{113}$, wherein said optical delivery device comprises three-dimensional delivery means for scanning said combined treatment beam in a three-

dimensional scanning pattern.

Claim 18 (currently amended)

The apparatus as set forth in claim 1, wherein said optical delivery devicemeans to

deliver comprises a micromanipulator.

Claim 19 (currently amended)

The apparatus as set forth in claim 1, wherein said optical delivery devicemeans to

deliver comprises endoscopic delivery means for delivering said combined treatment beam

within said substance.

Claim 20 (currently amended)

The apparatus as set forth in claim 1, wherein said means to deliver comprises an optical

device wherein said optical delivery device comprises:

(a)—n optical components aligned on an optical path to receive said laser treatment

beams from said n lasers, wherein said laser-n,-corresponds to said optical component n, and

i=1,.... n, and wherein each of said n optical components directs and selectively combines one of

said laser treatment beams of said n lasers along said optical path; and

(b) an optical delivery system connected to said optical path to deliver said combined

treatment beam to said substance.

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Claim 21 (currently amended)

The apparatus as set forth in claim 20, wherein one or more of said n optical components

comprise at least one of a wavelength selective mirror, a beam splitter and a wavelength

selective filter.

Claim 22 (currently amended)

The apparatus as set forth in claim 20, wherein said optical delivery device further

comprises comprising means for adjusting a position of one ofto position said n optical

components with respect toin said optical path or away from said optical path.

Claim 23 (currently amended)

The apparatus as set forth in claim 20, wherein said optical delivery device further

comprises comprising position means for selecting at least two to generate a subset of

combinations of said laser treatment beams to be included in said combined treatment beam.

Claim 24 (cancelled)

Claim 25 (currently amended)

The apparatus as set forth in claim 1, wherein said treatment is a medical treatment, and

said laser treatment beams are medically useful treatment beams.

Claim 26 (currently amended)

The apparatus as set forth in claim 1, further comprising means for diagnosing said

substance to determine said treatment.

Claim 27 (currently amended)

The apparatus as set forth in claim 26, wherein said diagnosing means for diagnosing

comprises a diagnostic system, wherein said diagnostic system maps an area of said substance

using fluorescent emission.

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Claim 28 (original)

The apparatus as set forth in claim 1, wherein said apparatus is a handheld delivery apparatus.

Claim 29 (currently amended)

The apparatus as set forth in claim 28, wherein said handheld delivery apparatus is a portable and transferable miniature handheld delivery apparatus with dimensions no greater than of 6" by 12" by 20" or less.

Claim 30 (currently amended)

The apparatus as set forth in claim 1, <u>further comprising awherein said apparatus operates</u> on independent power source.

Claim 31 (currently amended)

A multiple laser treatment apparatus, comprising:

(a) \underline{n} lasers, wherein n > 1 and each of said n lasers delivers a laser treatment beam, and wherein said laser treatment beams have different laser beam parameters;

(b) means for selecting at least to select two of said or more laser treatment beams selected for a treatment wherein each one of said laser treatment beams comprises at least one different laser beam parameter; and

(c)(b) means forto simultaneously delivering deliver said selected ones of said laser treatment beams in a combined laser treatment beam at a substance that which said substance undergoes said treatment, wherein said combined treatment beam has a spot size that is less than 0.1 mm.

Claim 32 (currently amended)

The apparatus as set forth in claim 31, wherein said laser <u>treatment beams have at least one ofbeam parameters are different wavelengths</u>, <u>different fluences</u>, <u>different power levels</u>, <u>different energy levels</u>, <u>different temporal parameters</u>, <u>different geometrical parameters</u>, <u>different spot sizes</u>, <u>different linear delivery parameters and or different three-dimensional delivery parameters</u>.

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Claim 33 (currently amended)

The apparatus as set forth in claim 31, wherein said means for selecting to select

comprises anat least one optical component to select aone or more of said laser beam

parameterparameters of one or more of said laser treatment beams.

Claim 34 (currently amended)

The apparatus as set forth in claim 31, wherein said means for selecting to select

comprises means for adjusting ato control said laser beam parameterparameters of one of said

laser treatment beams.

Claim 35 (currently amended)

The apparatus as set forth in claim 31, wherein said means for delivering to deliver

comprises a mirror-based optical delivery devicesystem to control said combined treatment

beam.

Claims 36-37 (cancelled)

Claim 38 (currently amended)

The apparatus as set forth in claim 35, wherein said optical delivery device comprises

linear delivery means for scanning said combined treatment beam in a linear scanning pattern.

Claim 39 (currently amended)

The apparatus as set forth in claim 35, wherein said optical delivery device comprises

three-dimensional delivery means for scanning said combined treatment beam in a three-

dimensional scanning pattern.

Claim 40 (currently amended)

The apparatus asset forth in claim 31, wherein said means for delivering to deliver

comprises a micromanipulator.

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Claim 41 (currently amended)

The apparatus as set forth in claim 31, wherein said means for delivering to deliver comprises endoscopic delivery means for delivering said combined treatment beam within said

substance.

Claim 42 (cancelled)

Claim 43 (currently amended)

The apparatus as set forth in claim 31, further comprising means for diagnosing said

substance to determine said treatment.

Claim 44 (currently amended)

The apparatus as set forth in claim 43, wherein said diagnosing means for diagnosing

comprises a diagnostic system, wherein said diagnostic system maps an area of said substance

using fluorescent emission.

Claim 45 (currently amended)

A method for simultaneously delivering a combined-laser treatment-beam, comprising-the

steps of:

selecting at least two or more laser treatment beams selected for a treatment,

wherein each one of said laser treatment beams havecomprises at least one different laser beam

parametersparameter; and

simultaneously delivering said laser treatment beams in a combined laser (b)

treatment beam at a substance thatat which said substance undergoes said treatment, wherein said

combined treatment beam has a spot size that is less than 0.1 mm.

Claim 46 (currently amended)

The method as set forth in claim 45, wherein said laser treatment beams have at least one

ofbeam parameters are different wavelengths, different fluences, different power levels, different

energy levels, different temporal parameters, different geometrical parameters, different spot

sizes, different linear delivery parameters ander different three-dimensional delivery parameters.

Claim 47 (currently amended)

The method as set forth in claim 45, wherein said step of selecting said laser treatment

beams comprises the step of providing anat least one optical component to select aone or more of

said laser beam parameterparameters of one or more of said laser treatment beams.

Claim 48 (currently amended)

The method as set forth in claim 45, wherein said step of selecting said laser treatment

beams comprises adjusting athe step of controlling said laser beam parameterparameters of one

of said laser treatment beams.

Claim 49 (currently amended)

The method as set forth in claim 45, wherein said step of simultaneously delivering said

laser treatment beams comprises the step of providing a mirror-based optical delivery

devicesystem to delivercentrol said combined treatment beam.

Claim 50 (currently amended)

The method as set forth in claim 49, wherein said optical delivery device comprises linear

delivery means for scanning said combined treatment beam in a linear scanning pattern.

Claim 51 (currently amended)

The method as set forth in claim 49, wherein said optical delivery device comprises

three-dimensional delivery means for scanning said combined treatment beam in a three-

dimensional scanning pattern.

Claim 52 (currently amended)

The method as set forth in claim 45, wherein said step of simultaneously delivering said

laser treatment beams comprises the step-of-providing a micromanipulator to deliver said

combined treatment beam.

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Claim 53 (currently amended)

The method as set forth in claim 45, wherein said-step of-simultaneously delivering said

laser treatment beams comprises the step of providing endoscopic delivery means for delivering

said combined treatment beam within said substance.

Claim 54 (cancelled)

Claim 55 (currently amended)

The method as set forth in claim 45, further comprising the step of providing means for

diagnosing said substance to determine said treatment.

Claim 56 (currently amended)

The method as set forth in claim 55, wherein said diagnosing-means for diagnosing

comprises a diagnostic system, wherein said diagnostic system maps an area of said substance

using fluorescent emission.

Claim 57 (currently amended)

A computer-readable mediumcomputer program to manage and control a simultaneous

delivery of multiple laser treatment beams to a substance, comprising:

(a) <u>instructions</u> for selecting a treatment plan, wherein said treatment plan

comprises at least two or more laser treatment beams having wherein each one of said laser

treatment beams comprises at least one different laser beam parameters parameter; and

(b) <u>instructions</u> for applying said treatment plan to <u>asaid</u> substance.

Claim 58 (currently amended)

The computer-readable medium computer program as set forth in claim 57, wherein said

instructionsmeans for selecting said treatment plan comprise instructionscomprises means for

recommending said treatment plan.

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Claim 59 (currently amended)

The computer-readable medium computer program as set forth in claim 57, wherein said

instructionsmeans for selecting said treatment plan comprise instructions for selecting said

treatment plan from comprises a database of treatment plans.

Claim 60 (currently amended)

The computer-readable medium computer program as set forth in claim 57, wherein said

instructionsmeans for selecting said treatment plan comprise instructionscomprises means for

comparing said treatment plan with a previous treatment plan.

Claim 61 (currently amended)

The computer-readable medium computer program as set forth in claim 57, wherein said

instructions for selecting said treatment plan comprise instructions for selecting said treatment

plan based on entered further comprising means for entering data.

Claim 62 (currently amended)

The computer-readable medium computer-program as set forth in claim 61, wherein said

entered data comprises at least one of patient data, treatment plan data, or complaint data and or

disease data.

Claim 63 (currently amended)

The computer-readable medium computer program as set forth in claim 57, further

comprising instructions means for verifying said treatment plan.

Claim 64 (currently amended)

The computer-readable medium-computer program as set forth in claim 57, further

comprising instructions for communicating information with acommunication means to

communicate information between said computer program and one or more remote

stationstations.

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Claim 65 (currently amended)

The computer-readable medium as set forth in claim 57, further comprising aA database of a plurality of laser treatment plans, wherein said database of treatment plans comprises two or more laser treatment beams are delivered simultaneously to a substance, comprising:

(a) <u>asaid</u> plurality of treatment plans; and

(b) said one or more-laser beam parameters for each one-of said plurality of treatment

plans,

wherein <u>said</u> instructions for selecting <u>said</u> treatment plan comprise instructions for <u>selecting</u> said treatment plan from <u>said</u> database of treatment planseach one of <u>said</u> laser treatment beams comprises at least one different laser beam parameter.

Claim 66 (currently amended)

The <u>computer-readable mediumdatabase</u> as set forth in claim 65, wherein said <u>plurality of</u> treatment plans are <u>one of medical treatment plans</u>, chemical treatment plans, biochemical treatment plans, bioengineering treatment plans and physical treatment plans.

Claim 67 (currently amended)

The <u>computer-readable mediumdatabase</u> as set forth in claim 65, <u>wherein said database</u> of treatment plans further <u>compriseseomprising</u> substance-related information.

Claim 68 (currently amended)

The <u>computer-readable mediumdatabase</u> as set forth in claim 65, <u>wherein said database</u> of treatment plans further <u>compriseseomprising</u> patient-related information.

Claim 69 (New)

The apparatus as set forth in claim 1, wherein said optical delivery device comprises a first mirror, a second mirror, and means for adjusting a position of said first mirror with respect to said second mirror.

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Claim 70 (New)

The apparatus as set forth in claim 35, wherein said optical delivery device comprises a first mirror, a second mirror, and means for adjusting a position of said first mirror with respect to said second mirror.